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UTILITY **PATENT APPLICATION TRANSMITTAL**

H

Attorney Docket No. TI-36096 Jaiganesh Balakrishnan First Inventor Efficient Bit Interleaver For A Multi-Band OFDM Ultra-Wideband Title

(Only for new nonprovisional applications under 37 CFR 1.53(b))

System Express Mail Label No. ER357833923US

			-					58	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents				ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231					
	ansmittal Form (e.g., PTO/SB/17) an original, and a duplicate for fee processing)				7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)				
2 Applicant cl See 37 CFF	nt claims small entity status.			8.	Nucleotide and/or Amino Acid Sequence Submission				
3. X Specification (preferred arr	n rangement set forth below)	[Total Pages	24	1	а.	Computer F	Readable For	n (CRF)	
- Descriptiv - Cross Ref		b. Specific	ation Sequen	ice Listing on:					
- Statement - Reference or a compu		i. i I .	CD-R	OM or CD-R ((2 copies); or				
- Brief Sum	- Background of the Invention - Brief Summary of the Invention				c.	Statements	verifying iden	tity of above copies	
 Brief Description of the Drawings (if filed) Detailed Description Claim(s) 					ACCOMPANYING APPLICATION PARTS				
	f the Disclosure			9.	X Assign	ment Paper	s (cover she	et & documents(s))	
4. X Drawing(s)	(35 U.S.C. 113)	[Total Sheets	3] 10.		R 3.73(b) Stat there is an as		Power of Attorney	
5. Oath or Declaration		[Total Pages	1] 11.	Englis	h Translatior	n Document	(if applicable)	
a. X New	ly Executed (original or copy)			12.		ation Disclosu ent (IDS)/PT(Copies of IDS Citations	
b. Cop	Copy from a prior application (37 CFR 1.63(d)) b. (for continuation/divisional with Box 18 completed)			13.	Prelim	inary Amend	iment	:	
i. [DELETION OF INV	ENTOR(S)		14.		Receipt Post	card (MPEP 5	503)	
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			15.	Certifie	•	ority Docume	nt(s)		
			16	Request and Certification under 35 U.S.C. 122					
Application	Data Shoot Son 27 CED 4 76	,		'*	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
6. Application Data Sheet. See 37 CFR 1.76			17.						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:									
Continuation Divisional Continuation-in-part (CIP) of prior application No:									
Prior application information: Examiner Group / Art Unit. For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
19. CORRESPONDENCE ADDRESS									
Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below								nce address below	
NAME Texas Instruments Incorporated									
ADDRESS									
CITY STATE TX ZIP CODE COUNTRY TELEPHONE (972) 917-5633 FAX (972) 917-4418						(972) 917-4418			
							Reg. No. 36,410		
Tamo (Timo Typo)	,		11 0	<u> </u>		110. (Allo)			
Signature Date 03/10/2004							03/10/2004		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Approved for use through 10/31/2001. OMB 0651-0032
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FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision

Complete If Known						
Application Number	TBD					
Filing Date	March 10, 2004					
First Named Inventor	Jaiganesh Balakrishnan					
Examiner Name	TBD					
Group Art Unit	TBD					
Attorney Docket No	TI-36096					

TOTAL AMOUNT OF PAYMENT (\$) 1748.00			Attorney Docket No. TI-36096						
METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge to the following Percent Account:				IONAL	. FEES	3			
Deposit Account, Number	20-0668			Small Fee Code	Entity Fee (\$)	Fee Description Fee Paid			
Deposit Account Name Texas Instruments Incorporated			130 50	2051 2052	65 25	Surcharge - late filing fee Surcharge - late provisional filing fee or cover sheet.			
Charge any additional fee required or credit any overpayment Charge all indicated fees and any additional fee required or credit any overpayment			130	1053		Non-English specification			
			2,520	1812	2,520	For filing a request for reexamination			
2. Payment Enclosed:			920*	1804	920-	Requesting publication of SIR prior to Examiner action			
Check Money Other Order			1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
FEE CALCULATION			110	2251	55	xtension for reply within first month			
1. BASIC FILING FEE		1252	420	2252	210	Extension of time within second month			
Large Entity Small Entity		1253	950	2253	475	Extension of time within third month			
Fee Fee Fee Fee Code (\$) Code (\$)	Fee Description Fee Paid	1254	1,480	2254	740	Extension of time within fourth month			
1001 770 2001 385		1255 1401	2,010 330	2255 2401	1,005 165	Extension of time within fifth month Notice of Appeal			
1002 340 2002 170	I	1402		2402	165	Filing a brief in support of an appeal			
1003 530 2003 265		1403	290	2403	145	Request for oral hearing			
1004 770 2004 385		1451	1,510	1451	1,510	Petition to institute a pubic use proceeding			
1005 160 2005 80		1452	110	2452	55	Petition to revive - unavoidable			
		1453	1,330	2453	665	Petition to revive - unintentional			
		1501	1,330	2501	665	Utility issue fee (or reissue)			
2. EXTRA CLAIM FEES FO	R UTILITY AND REISSUE	1502 1503	480 640	2502 2503	240 320	Design issue fee Plant issue fee			
	Fee from	1460	130	1460	130	Petitions to the Commissioner			
Extra C	laims below Fee Paid	1807	50	1807	50	Processing fee for provisional applications			
Total Claims 53 -20**= 33	× <u>18</u> = <u>594</u>	1806	180	1806	180	Submission of Information Disclosure Stmt.			
Independent 7 -3** = 4	× 86 = 344	8021	40	8021	40	Recording each patent assignment per property (time number of properties) \$40			
Multiple Dependent	290 = 0	1809	770	2809	385	Filing a submission after final rejection (37			
**or number previously paid, if greater; For Reissue, see below			770	2810	385	CFR 1.129(a)) For each additional invention to be examined (37 CFR 1.129(b))			
Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) 1202 18 2202 9	Fee Description Claims in excess of 20	Other fee (specify)							
1201 86 2201 43	Independent Claims in excess of 3				_				
1203 280 2203 140	Multiple dependent claims in excess of 3								
1204 86 2204 43	**Reissue independent claims over original patent	Other for (annif.)							
1205 18 2205 9	original patent Other fee (specify) **Reissue claims in excess of 20 and over original patent Other fee (specify)								
	SUBTOTAL (2) (\$)938.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$40							
SUBMITTED BY						Complete (if applicable)			
Typed or Printed Name Dwight N. Holmbo						Reg. Number 36,410			
Signature Signature Signature				Date		3/10/2004 Deposit Account User ID N/A			